

RF LEVEL STABILIZATION OF OPTICAL LINK OVER TEMPERATURE

ABSTRACT OF THE DISCLOSURE

5 A radio frequency stabilization system (e.g., for use with a laser transmitter) in an
optical communication system is provided. The present invention relates to maintaining a
stable RF level in an optical link despite temperature fluctuations, including a transmitter
section, a receiver section, a plurality of feedback loops connected to each of the
transmitter section and the receiver section. The present invention further discloses a
method of stabilizing an RF level in an optical link which method include providing an
optical signal transmitter, an optical signal receiver, and a plurality of feedback loops to
the optical transmitter section and the optical receiver section.